

Claim Amendments
Including a complete listing of all claims

1. (Original) A seal portion heating method for a resinous tube, which is applied in a seal portion heating apparatus for a resinous tube constituted so as to spout hot blow from a spout hole in a nozzle distal end portion to heat an end portion inner peripheral portion of a resinous tube serving as a clamped and sealed portion, wherein the resinous tube is rotated during heating of the end portion inner peripheral portion of the resinous tube serving as the clamped and sealed portion of the resinous tube.

2. (New) A method of sealing an open end of a resinous tube comprising the steps of:

holding a pouring-out end of the resinous tube;
inserting a heating apparatus having spouting holes into an open end portion of the resinous tube opposing the pouring-out end;

blowing hot blow from the spouting holes of the heating apparatus;

rotating the resinous tube simultaneously during the step of blowing hot blow, whereby the open end portion of the resinous tube is uniformly softened and melted;

removing the heating apparatus from the open end of the resinous tube; and

clamping the open end of the resinous tube,
whereby the open end of the resinous tube is securely sealed.

3. (New) A method of sealing an open end of a resinous tube comprising the steps of:

holding a threaded end of the resinous tube in a conveying jig;

inserting a heating apparatus having spouting holes into an open end portion of the resinous tube opposing the threaded end;

blowing hot blow from the spouting holes of the heating apparatus;

rotating the conveying jig simultaneously during the step of blowing hot blow, whereby an inner peripheral portion of the open end portion of the resinous tube is uniformly softened and melted;

removing the heating apparatus from the open end of the resinous tube; and

clamping the open end of the resinous tube,
whereby the open end of the resinous tube is securely sealed.

4. (New) An apparatus for sealing a resinous tube having an open end and a pouring-out end portion comprising:

a conveying apparatus;

a receiving portion mounted on said conveying apparatus;

a conveying jig mating with said receiving portion mounted on said conveying apparatus, said conveying jig adapted to hold the pouring-out end portion of the resinous tube;

a heating apparatus having spouting holes, said heating apparatus adapted to be inserted into the open end of the resinous tube;

a rotating ascending and descending member positioned to selectively engage said conveying jig, whereby said conveying jig and the resinous tube are selectively rotated while said heating apparatus is inserted into the open end of the resinous tube resulting in an inner peripheral portion of the open end of the resinous tube to be uniformly softened and melted; and

a clamp adapted to receive the uniformly softened and melted open end of the resinous tube,

whereby the open end of the resinous tube is securely sealed.